

Pre-Calculus Summer Review 2019-2020

Dear Parents and Students,

Mathematics is a discipline that constantly builds on previous knowledge. Students entering Pre-Calculus Honors will be expected to recall and apply the material that they learned in Algebra, Geometry and Trigonometry. To help ensure your success, the high school mathematics department has compiled a list of problems that represent some of the most frequently used Algebra, Geometry and Trigonometry concepts. Take time this summer to go over these problems. There will be a test over this prerequisite material in the first few days of class to determine your placement and readiness for Pre-Calculus Honors.

To access the summer review on Delta Math, join the Pre-Calculus Honors Summer Review Google Classroom using classroom code **7r0c51**. Information on how to access the summer review on Delta Math can be found there.

The Pre-Calculus Review Test is scheduled for Thursday, August 15th, 2019. Your performance on this test will be a significant factor in determining if you maintain your placement in honors. Class time will be provided on Wednesday, August 14th for questions.

The packet can be accessed through the district website. To find the review, go to the Morton High School website at <https://mhs.morton709.org/academics/math>
You will find a listing of all of our classes.
Please select Pre-Calculus Honors Summer Review

If you have any questions, contact Mrs. Durand at rosie.durand@mcusd709.org.

Have a wonderful summer!
The Mathematics Department
Morton High School

Note: For those students who will be purchasing a graphing calculator:
Please read the attached letter regarding graphing calculator requirements for MHS mathematics courses. You may send your student to school with the calculator's packaging intact for the math teacher to verify the correct calculator was purchased. CAS versions of the TI-Nspire are NOT allowed for students enrolled in Pre-Calculus.

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FOR STUDENTS NEEDING TO PURCHASE A CALCULATOR:

MORTON HIGH SCHOOL Required Calculator: TI-Nspire CX

At Morton High School, all students use graphing calculators extensively in their math classes, whether they are in Algebra I through AP Calculus. This requirement has existed for a couple of years now; students are making great strides in mathematical understanding and performance as we continue to implement the use of the TI-Nspire CX. It is of critical importance that students obtain a calculator from the approved list because MHS math teachers have demonstration software for these specific devices, and it reduces the amount of class time spent on teaching students how to use the calculator.

In past years, Texas Instruments has offered schools a special opportunity to collect proof of purchase cards from students to be used towards a free TI-Nspire Navigator system or other TI-Nspire products. This system would allow us to wirelessly network graphing calculators to the teacher's computer, giving us the ability to let students demonstrate what they are doing to the class, receive document files from their teacher on their Nspire, and even use their calculator as a way to answer questions the teacher has posed to the class.

If you will be purchasing a new TI-Nspire CX (the latest version of the Nspire, which has a color screen) between now and the start of the 2019-20 school year, would you please return the entire "compare models" card that comes with the calculator to your child's math teacher? It will help us to obtain the Navigator system at no cost to the district. There is a picture of this card included on the next page. You must return the entire card, not just the "TI Points." **Do NOT purchase a calculator with CAS as part of its name.**

If your child will be using a hand me down TI-Nspire from an older sibling, such as the greyscale model, we will no longer be able to install the latest operating system nor will we be able to use this calculator with the Navigator system. It does, however, have most all of the functionality of the CX and can still be used with much success.

DO NOT PURCHASE THE TI-NSPIRE CAS OR TI-NSPIRE CX-CAS. Although the CAS is allowed on the SAT, these calculators are not allowed on the ACT and thus not allowed for students enrolled in MHS courses other than AP Calculus.

Thanks for helping us make sure your child receives the best possible math education with the latest tools available.

If the purchase of a graphing calculator will place an undue financial burden on your family, please contact your counselor or your math teacher.

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Be sure to save the entire card with the TI Technology points and turn it in to any math teacher! With enough collected, the department will be able to earn software for use with your students!

The technology students need. The value you want.

Get TI-Nspire™ CX handhelds for math and science learning without impacting the school budget.

Many schools and districts have adopted a student-purchase program to help bring handheld technology into their math and science classrooms.

They have made this shift to help ease the pressure of decreasing budgets while offering competitive, technology-rich classrooms. Providing the best tools for student success is a top priority for every educator.

Research[†] findings

When students own a handheld for use in class and at home, they are able to develop a deeper understanding of concepts. **Research also shows improvements in scores on national, state and school-level tests.**

[†]Learn more at education.ti.com/research.

Longevity of use

A handheld purchase offers years of use – from middle grades through college – in a wide range of subjects, including:

Middle Grades Math	Geometry	Statistics	Biology
Pre-Algebra	Precalculus	Calculus	Chemistry
Algebra 1 & 2	Trigonometry		Physics

Long-term support

Curricular content, professional development and training, free technical support, software updates and parent communications are a few of the many educator support resources that are a staple of TI educational technology.



TI-Nspire™ CX handheld



Handheld/software bundle

Each TI-Nspire CX and TI-Nspire™ CX CAS handheld purchased at a retail or retail online store comes together with TI-Nspire™ Student Software (PC or Mac®) for home use. Students can learn with the handheld in class and the software on a desktop or laptop computer at home or college. Handheld and software functionality are virtually identical.

Exam acceptance

The TI-Nspire™ CX handheld and the TI-Nspire™ CX CAS handheld™ are permitted on a growing number of state math and science tests and college entrance exams that include:

- » SAT*
- » ACT®
- » PSAT/NMSQT*
- » AP*
- » IB®
- » Praxis™

****The TI-Nspire CX CAS handheld is not permitted on the ACT or IB exams.**

Free test prep and more with student purchase*

Students who purchase a TI-Nspire CX or TI-Nspire CX CAS handheld can download free SAT* and ACT* practice questions from The Princeton Review™ for review on their handheld.

Enhanced graphing and computer features for the TI-Nspire CX handheld

- » Bright, backlit, full-color screen
 - » Touchpad enables easy navigation through screens and menus
 - » Thin, lightweight design
 - » Ability to upload and view photos and images
 - » Multiple representations on a single screen
 - » Ability to save files
- » Claimants must send in the bottom half of the back of the retail package card for each of the 60 packages Tech Rewards Points (TRP) labels, as in this example:

COMPARE MODELS	TI-84 Plus	TI-84 Plus Silver Edition	TI-Nspire™ with Touchpad	TI-Nspire™ CX	TI-89 Titanium
Display Resolution	96 x 64	96 x 64	320 x 240	320 x 240	180 x 100
Available Memory (ROM / RAM)	480 KB / 24 KB	1.5 MB / 24 KB	15 MB	100 MB	2.7 MB / 188 KB
Rechargeable Battery			Optional	Included	
Removable Faceplates Available					
Computer Algebra System (CAS)					
Engineering Applications					
Interchangeable TI-84 Plus Keypad Available					
USB Cable Included					
Software Included					
Import Images™					
Save your work					
Color, Backlit Display					

*SAT and AP are trademarks of the College Board, and ACT is a trademark of ACT, Inc., neither of which were involved in the production of, nor do they endorse, this product. For more information on college entrance exams, visit www.sat.org and www.act.org.

<p>Includes: calculator, silver case, USB cable, TI-Nspire Rechargeable Battery and 1 wall adapter</p> <p>TI-Nspire supports the following image types: .jpg, .png, .bmp, .tif</p> <p>1-year limited warranty</p> <p>Made in China</p> <p>© 2012 Texas Instruments</p> <p>NSUB2Y1USA 010112</p>	<p>QUESTIONS? education@ti.com/support or 1-800-TI-CARES</p> <p>TI-Nspire™ CX</p> <p>0 33317 20395 6</p>
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